

## AMENDMENTS TO THE CLAIMS

1. (Original) A vehicle comprising:
  - a frame, a drive train and a chassis, including at least one lockable entry portal and portal unlocking functionality; and
  - an access control assembly for governing authorized access to said at least one lockable entry portal comprising:
    - at least one at least partially light transmissive user finger engagement surface accessible from outside said chassis;
    - an illuminator operative to illuminate at least one user finger engagement plane adjacent said at least one user finger engagement surface;
    - a two-dimensional imaging sensor viewing said at least one user finger engagement surface, from a location inwardly of said at least one finger engagement surface, for sensing light from said illuminator scattered by engagement of a user's finger with said at least one finger engagement surface; and
    - a data entry processor receiving an output from said two-dimensional imaging sensor and providing a data entry input to said portal unlocking functionality.
2. (Original) A vehicle according to claim 1 wherein said illuminator is located at a location inwardly of said at least one engagement surface.
3. (Original) A vehicle according to claim 1 wherein said at least one finger engagement surface comprises a one-dimensional array of a plurality of finger engagement surfaces.
4. (Original) A vehicle according to claim 1 wherein said at least one finger engagement surface comprises a two-dimensional array of a plurality of finger engagement surfaces.
5. (Original) A vehicle according to claim 1 and also comprising an illumination director cooperating with said illuminator for providing an illumination beam generally

parallel to said at least one finger engagement surface.

6. (Original) A vehicle according to claim 5 wherein said illumination director comprises a prism.

7. (Currently Amended) Access control apparatus for use with a vehicle including a chassis having at least one lockable entry portal and portal unlocking functionality and also including at least one at least partially light transmissive user finger engagement surface accessible from outside said chassis, said access control apparatus comprising:

an illuminator operative to illuminate at least one user finger engagement plane adjacent said at least one user finger engagement surface;

a two-dimensional imaging sensor viewing said at least one user finger engagement surface from a location inwardly of said at least one finger engagement surface for sensing light from said illuminator scattered by engagement of a user's finger with said at least one finger engagement surface; and

a data entry processor receiving an output from said two-dimensional imaging sensor and providing a data entry input to said portal unlocking functionality.

8. (Original) Access control apparatus according to claim 7 wherein said illuminator is located at a location inwardly of said at least one engagement surface.

9. (Original) Access control apparatus according to claim 7 wherein said at least one finger engagement surface comprises a one-dimensional array of a plurality of finger engagement surfaces.

10. (Original) Access control apparatus according to claim 7 wherein said at least one finger engagement surface comprises a two-dimensional array of a plurality of finger engagement surfaces.

11. (Original) Access control apparatus according to claim 7 and also comprising an illumination director cooperating with said illuminator for providing an illumination beam generally parallel to said at least one finger engagement surface.

12. (Original) Access control apparatus according to claim 11 and wherein said illumination director comprises a prism.

13. (Currently Amended) Access control apparatus for use with an enclosure having at least one lockable entry portal and portal unlocking functionality and also including at least one at least partially light transmissive user finger engagement surface accessible from outside said enclosure, said access control apparatus comprising:

an illuminator operative to illuminate at least one user finger engagement plane adjacent said at least one user finger engagement surface;

a two-dimensional imaging sensor viewing said at least one user finger engagement surface from a location inwardly of said at least one finger engagement surface for sensing light from said illuminator scattered by engagement of a user's finger with said at least one finger engagement surface; and

a data entry processor receiving an output from said two-dimensional imaging sensor and providing a data entry input to said portal unlocking functionality.

14. (Original) Access control apparatus according to claim 13 wherein said illuminator is located at a location inwardly of said at least one engagement surface.

15. (Original) Access control apparatus according to claim 13 wherein said at least one finger engagement surface comprises a one-dimensional array of a plurality of finger engagement surfaces.

16. (Original) Access control apparatus according to claim 13 wherein said at least one finger engagement surface comprises a two-dimensional array of a plurality of finger engagement surfaces.

17. (Original) Access control apparatus according to claim 13 and also comprising an illumination director cooperating with said illuminator for providing an illumination beam generally parallel to said at least one finger engagement surface.

18. (Original) Access control apparatus according to claim 17 wherein said illumination director comprises a prism.

19. (Currently Amended) Data entry apparatus for use with at least one at least partially light transmissive user finger engagement surface, said data entry apparatus comprising:

an illuminator operative to illuminate at least one user finger engagement plane adjacent said at least one user finger engagement surface;

an illumination director cooperating with said illuminator for providing an illumination beam generally parallel to said at least one finger engagement surface;

a two-dimensional imaging sensor viewing said at least one user finger engagement surface from a location inwardly of said at least one finger engagement surface for sensing light from said illuminator scattered by engagement of a user's finger with said at least one finger engagement surface; and

a data entry processor receiving an output from said two-dimensional imaging sensor and providing a data entry input.

20. (Original) Data entry apparatus according to claim 19 wherein said illuminator is located at a location inwardly of said at least one engagement surface.

21. (Original) Data entry apparatus according to claim 19 wherein said at least one finger engagement surface comprises a one-dimensional array of a plurality of finger engagement surfaces.

22. (Original) Data entry apparatus according to claim 19 wherein said at least one finger engagement surface comprises a two-dimensional array of a plurality of finger engagement surfaces.

23. (Cancelled)

24. (Previously Presented) Data entry apparatus according to claim 19 wherein said illumination director comprises a prism.

25-39. (Cancelled)